



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

December 17, 1999

TO: File

THRU: Daron Haddock, Permit Supervisor *RH H*

FROM: Sharon Falvey, Senior Reclamation Specialist/Hydrologist *SKP*

RE: Minewater Discharge Location Change, Lodestar Energy, Inc., Horizon Mine, ACT/007/020-AM99G, Folder #2, Carbon County, Utah.

SUMMARY:

This amendment was provided on November 15, 1999 to change the minewater discharge location.

Analysis:

1) The following summarizes the proposed minewater discharge changes.

- a) Minewater discharge is proposed to be discharged directly to the bypass culvert.
- b) Minewater will be monitored in accordance with the existing UPDES discharge permit.

The cover letter to the existing UPDES discharge permit UTG 040019, effective July 15, 1999, indicates the Department of Environmental Quality (DEQ) accepted the use of sumps for treatment of minewater. The permit, however, does not appear to contemplate the discharge from outfall 002 directly to the bypass culvert. The UPDES permit identifies limitations and monitoring specific to outfall 001 only. In a phone conversation on December 10, 1999 with Steve Mc Neal, Engineer DEQ indicated the intent in permit issuance was to grant a second discharge location and monitor the outfall at 002 by the same standards of 001. With the minewater being directly discharged to the bypass culvert. It will be difficult to determine the visual permitting requirements as the discharge will mix with Jewkes Creek water before exiting the bypass culvert. Additional monitoring requirements should include: 1) collecting quarterly monitoring data from locations upstream and downstream from the disturbed area within a reasonable time on the same day, the minewater discharge sample is obtained, and 2) monitoring for the monthly maximum discharge flow rate as well as providing in-mine water consumption estimates.

The submitted page 7-61 does not correlate with the pages 7-61 through 7-63 in the

existing plan. Page 7-61 needs to be labeled 7-62, and information in the existing plan page 7-62 needs to be incorporated.

Findings:

Information provided in the plan does not meet the requirements of this section. The applicant must provide the following, prior to approval, in accordance with the requirements of:

R645-301-731. The applicant needs to demonstrate: 1) collecting quarterly monitoring data from locations upstream and downstream from the disturbed area within a reasonable time on the same day, the minewater discharge sample is obtained, and 2) monitoring for the monthly maximum discharge flow rate as well as providing in-mine water consumption estimates.

R6445-301-112. The applicant needs to provide an amendment that is clear and accurate. The submitted page 7-61 needs to correlate with the pages 7-61 through 7- 63 in the existing plan.

RECOMMENDATION:

The Permittee should provide the requested information prior to approval. This amendment and memo should be forwarded to DEQ for their information.

sm

cc: Steve McNeal, Division of Water Quality.
Bill Malencik, Division of Oil, Gas and Mining, PFO.

O:\007020.HZN\FINAL\hzam99g.wpd